

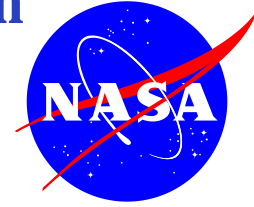
# Turbomachinery and Propulsion Systems Division

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Unclassified



## Project Integration Architecture (PIA, aka PRICE)

An object-oriented architecture for the wrapping of all forms of engineering experiment, design, analysis, and simulation has been devised. Current effort is directed at demonstrating interapplication propagation of GRC GTX flowpath CAD information using the C++ PIA implementation.

1. CAPRI CAD cross-vendor application programming interface to ProEngineer CAD data is now operational.
2. PIA wrapping of CAPRI/ProEngineer is well begun.
3. A basic PIA wrapping of the Large Perturbation Inlet (LAPIN) dynamic response analysis code is complete.
4. Work on CAD information propagation code for the LAPIN wrapper is beginning.

